

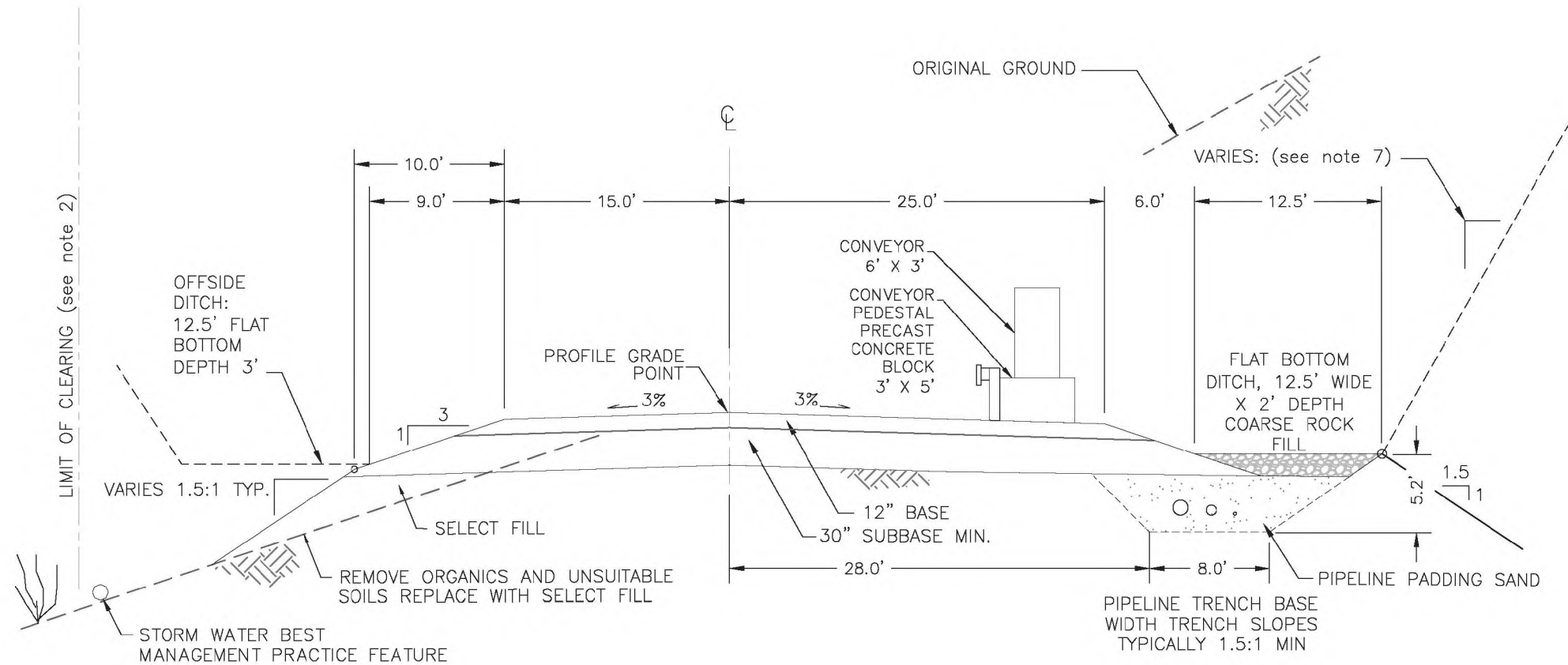
NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVALS:
STA. 32+40 TO 82+26 (MP 0.61 TO MP 1.60)
2. WORK SPACE LIMIT 5 FT FROM TOE OF FILL OR TOP OF CUT.
3. BASE TO CONSIST OF 2 inch MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. 12" MIN DEPTH.
4. SUBBASE TO CONSIST OF CLEAN DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 30" MIN DEPTH.
5. SELECT ROCK FILL MATERIAL; TO CONSIST OF DURABLE COARSE FREE DRAINING ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
6. DEPTH OF EMBANKMENT STRUCTURAL FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION. 3.5 FT TOTAL EMBANKMENT DEPTH WILL TYPICALLY BE THE MINIMUM.
7. EMBANKMENT FILL CONSISTING OF COARSE CLEAN ROCK TO BE INCORPORATED AS EROSION AND SEDIMENT CONTROL MEASURE.

8. ANY REQUIRED BLASTING WILL BE DONE DURING THE LOW TIDE CYCLE WHEN ROCK TO BE BLASTED IS ABOVE THE WATERLINE. ROCK FILL TO BE PLACED BELOW THE HIGH TIDE LINE WILL BE CLEAN COARSE ROCK OR RIP RAP AND WILL NOT INCLUDE SIGNIFICANT FINE MATERIAL.
9. BACKSLOPES WILL VARY DEPENDENT UPON SOIL OR ROCK TYPE AND CHARACTER.
TYPICAL: 2:1 FOR GLACIAL MORaine SOILS
1.3:1 FOR COARSE ROCK OR GRAVEL
0.25:1 TO 1:1 FOR ROCK
10. ARMOR ROCK TO BE PER SPEC FOR CLASS II ARMOR ROCK
11. ACCOMMODATE EXCESS EXCAVATION AND WASTE DISPOSAL BY FLATTENING AND/OR EXTENDING INSLOPE AT SELECT LOCATIONS AS APPROVED BY ENGINEER.
12. INSTALL GUARDRAIL ON LEFT SHOULDER 17 FT FROM CENTERLINE. ON RIGHT SIDE INSTALL GUARDRAIL AS WARRANTED.
13. NO REFUELING OF MOBILE EQUIPMENT WITHIN 200 FT OF WATER BODY.
14. SPOIL TO BE STORED OUT OF THE INTERTIDAL ZONE AND ADJACENT WETLANDS AND WITHIN THE CONSTRUCTION R.O.W.

PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

DRAWING TITLE:	
ROAD TYPICAL SECTION IN INTERTIDAL ZONE WITH CONVEYOR	
DATE: JUNE 2020	FIGURE NO. TX-001



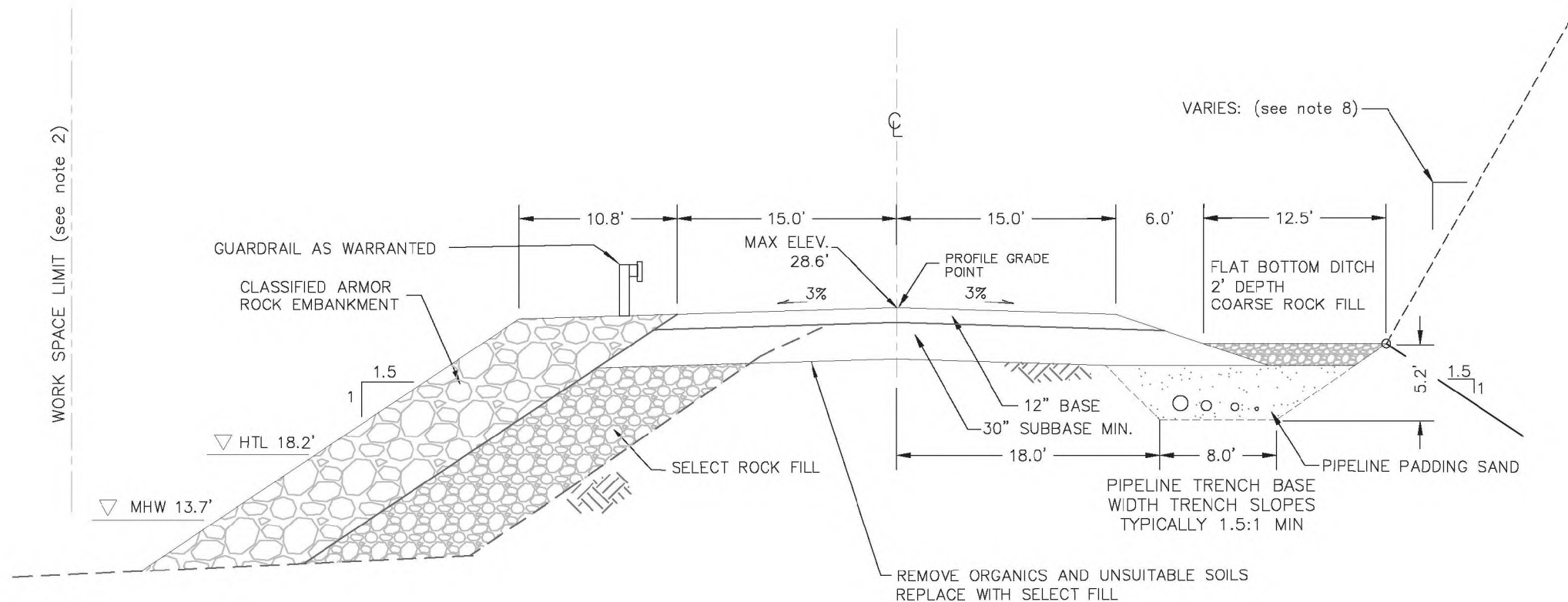
NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVALS:
STA. 84+26 TO 108+43 (MP 1.60 TO MP 2.05)
2. CLEARING LIMITS MIN. TO TOP OF CUT OR TOE OF FILL.
3. BASE TO CONSIST OF 2 inch MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. 12" MIN DEPTH.
4. SUBBASE TO CONSIST OF CLEAN DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 30" MIN DEPTH.
5. SELECT ROCK FILL MATERIAL; TO CONSIST OF DURABLE COARSE FREE DRAINING ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
6. DEPTH OF EMBANKMENT STRUCTURAL FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION. 3.5 FT TOTAL EMBANKMENT DEPTH WILL TYPICALLY BE THE MINIMUM.

7. BACKSLOPES WILL VARY DEPENDENT UPON SOIL OR ROCK TYPE AND CHARACTER.
TYPICAL: 2:1 FOR GLACIAL MORaine SOILS
1.3:1 FOR COARSE ROCK OR GRAVEL
0.25:1 TO 1:1 FOR ROCK
8. ACCOMMODATE EXCESS EXCAVATION AND WASTE DISPOSAL BY FLATTENING AND/OR EXTENDING INSLOPE AT SELECT LOCATIONS AS APPROVED BY ENGINEER.
9. INSTALL GUARDRAIL WHERE WARRANTED. WIDEN SHOULDER 3 FT FOR GUARDRAIL INSTALLATION.
10. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

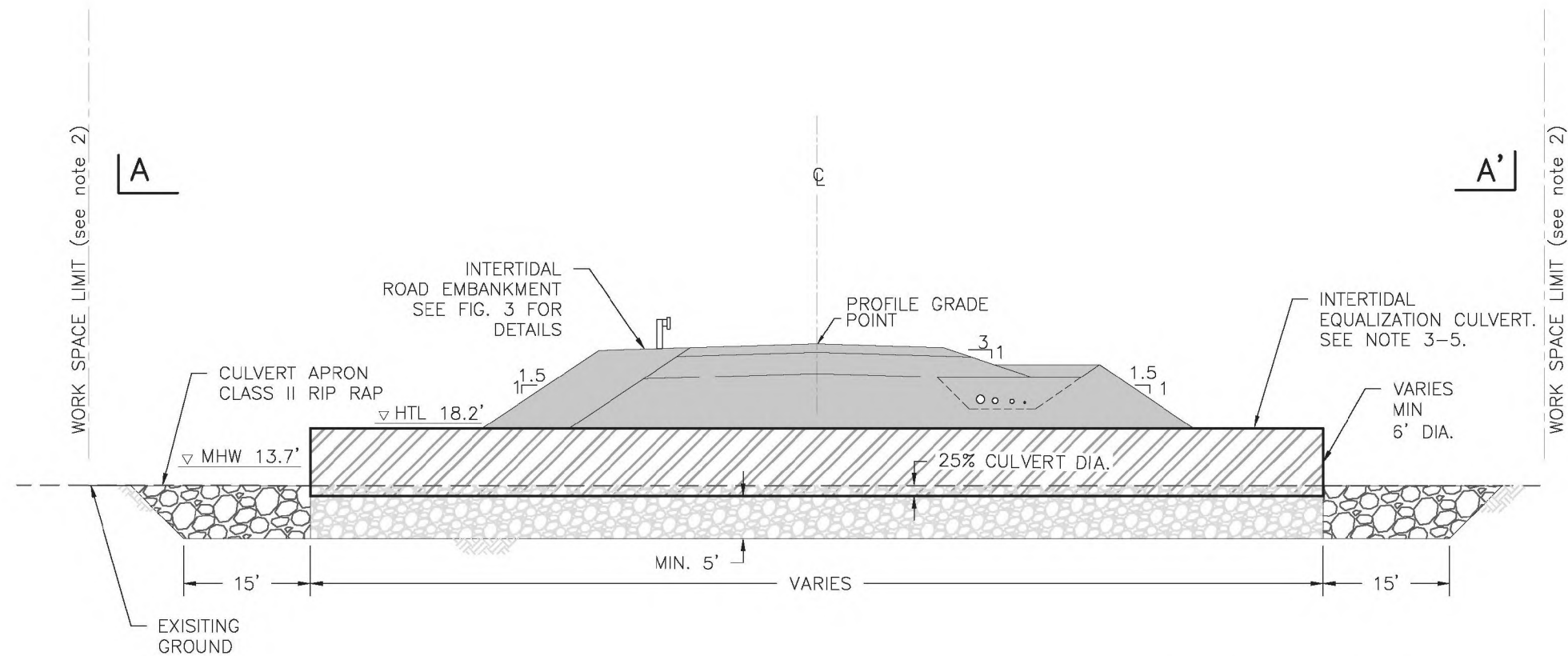
DRAWING TITLE: ROAD TYPICAL SECTION FOR ROUGH TERRAIN WITH ROCK CUTS AND WITH CONVEYOR	
DATE: JUNE 2020	FIGURE NO. TX-002



NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVALS:
STA. 108+43 TO 123+43 (MP 2.05 TO MP 2.34)
STA. 133+90 TO 140+90 (MP 2.54 TO MP 2.67)
2. WORK SPACE LIMIT 5 FT FROM TOE OF FILL OR TOP OF CUT.
3. BASE TO CONSIST OF 2 inch MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. 12" MIN DEPTH.
4. SUBBASE TO CONSIST OF CLEAN DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 30" MIN DEPTH.
5. SELECT ROCK FILL MATERIAL; TO CONSIST OF DURABLE COARSE FREE DRAINING ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
6. DEPTH OF EMBANKMENT STRUCTURAL FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION. 3.5 FT TOTAL EMBANKMENT DEPTH WILL TYPICALLY BE THE MINIMUM.
7. ANY REQUIRED BLASTING WILL BE DONE DURING THE LOW TIDE CYCLE WHEN ROCK TO BE BLASTED IS ABOVE THE WATERLINE. ROCK FILL TO BE PLACED BELOW THE HIGH TIDE LINE WILL BE CLEAN COARSE ROCK OR RIP RAP AND WILL NOT INCLUDE SIGNIFICANT FINE MATERIAL.
8. BACKSLOPES WILL VARY DEPENDENT UPON SOIL OR ROCK TYPE AND CHARACTER.
TYPICAL: 2:1 FOR GLACIAL MORaine SOILS
1.3:1 FOR COARSE ROCK OR GRAVEL
0.25:1 TO 1:1 FOR ROCK
9. ARMOR ROCK TO BE PER SPEC FOR CLASS II ARMOR ROCK
10. ACCOMMODATE EXCESS EXCAVATION AND WASTE DISPOSAL BY FLATTENING AND/OR EXTENDING INSLOPE AT SELECT LOCATIONS AS APPROVED BY ENGINEER.
11. INSTALL GUARDRAIL ON LEFT SHOULDER 17 FT FROM CENTERLINE. ON RIGHT SIDE INSTALL GUARDRAIL AS WARRANTED.
12. NO REFUELING OF MOBILE EQUIPMENT WITHIN 200 FT OF WATER BODY.
13. SPOIL TO BE STORED OUT OF THE INTERTIDAL ZONE AND ADJACENT WETLANDS AND WITHIN THE CONSTRUCTION R.O.W.
14. EMBANKMENT FILL CONSISTING OF COARSE CLEAN ROCK TO BE INCORPORATED AS EROSION AND SEDIMENT CONTROL MEASURE.

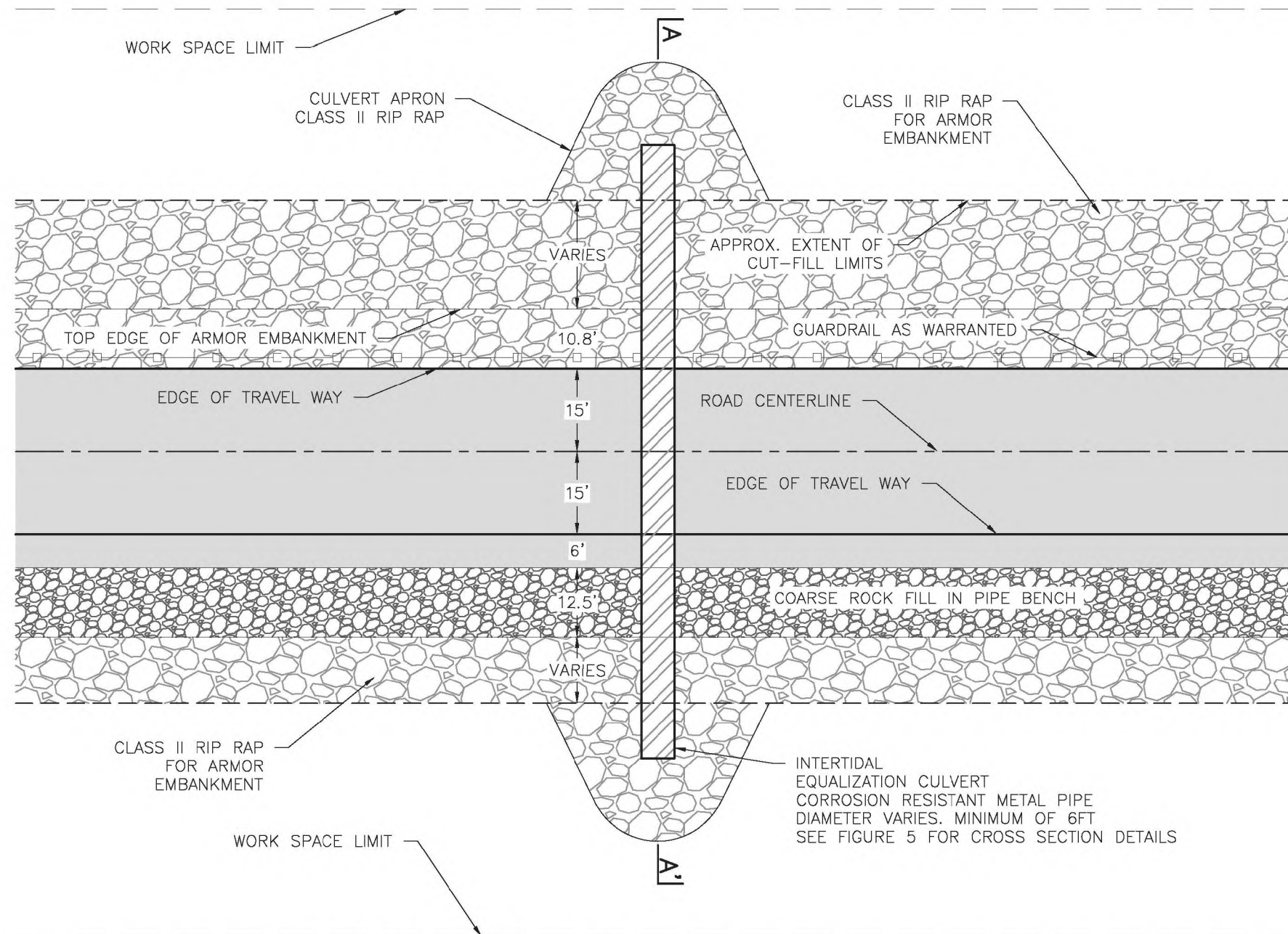
PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE: ROAD TYPICAL SECTION IN INTERTIDAL ZONE	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. TX-003
WATERWAY: COOK INLET	FILE NO. POA-2017-271		



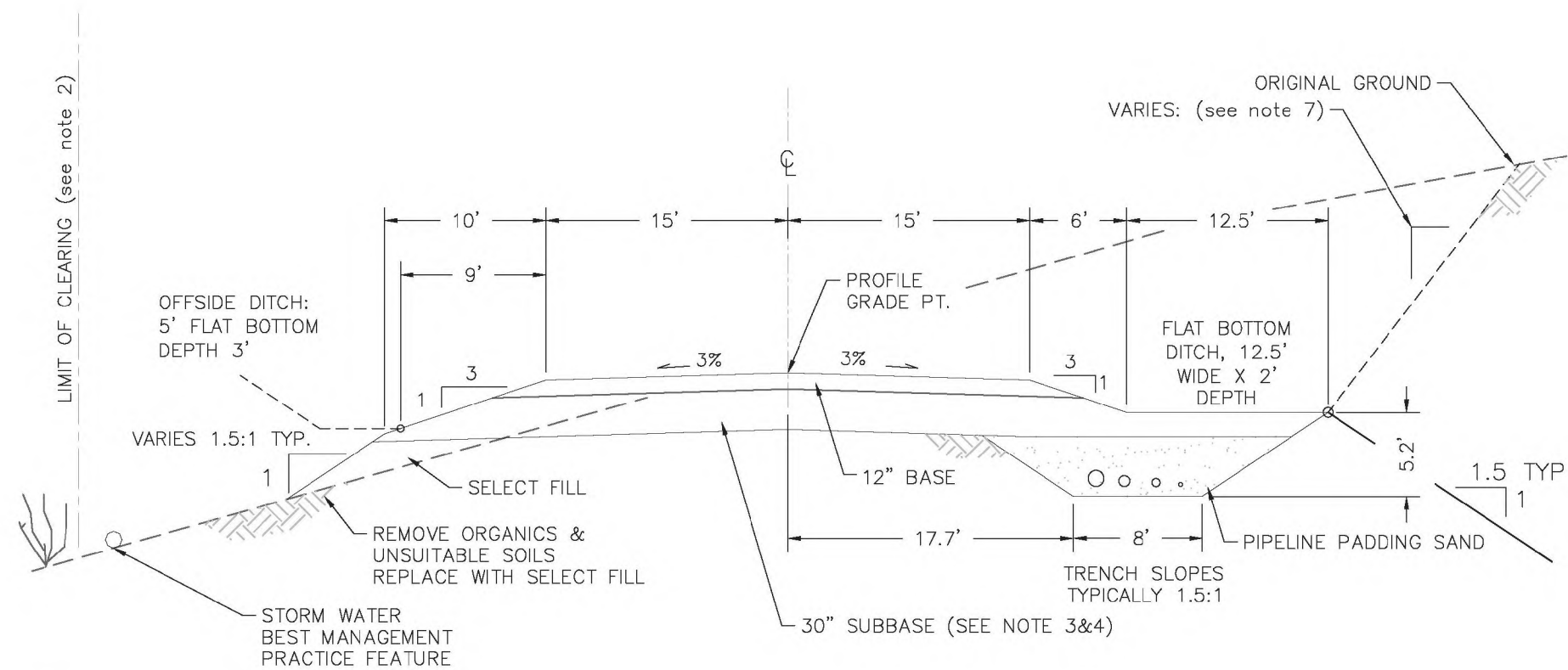
NOTES:

1. INTERTIDAL CULVERT TO BE INSTALLED AT THE FOLLOWING LOCATIONS:
STA. 128+40 (MP 2.43) STA 043+66 (MP 0.83)
STA. 129+80 (MP 2.45) STA 062+55 (MP 1.18)
STA. 133+40 (MP 2.53)
2. WORK SPACE LIMIT 5 FT BEYOND EDGE OF CULVERT APRON.
3. BEDDING MATERIAL TO BE A MINIMUM DEPTH OF 5FT. FINAL DEPTH MAY VARY, DEPENDING ON GEOTECHNICAL INVESTIGATION.
4. EXCAVATION AND FILL TO BE DONE DURING LOW TIDE CYCLE WHEN WORK AREA IS ABOVE THE WATERLINE.
5. CULVERT TO BE CORRUGATED METAL PIPE AND WILL BE DESIGNED FOR SEAWATER ENVIRONMENT.
6. NO REFUELING OF MOBILE EQUIPMENT WITHIN 200 FT OF WATERBODY.
7. SPOIL TO BE STORED OUT OF THE STREAM CHANNEL AND ADJACENT WETLANDS AND WITHIN THE CONSTRUCTION R.O.W.
8. MAINTAIN TIDAL FLOW THROUGHOUT CROSSING CONSTRUCTION.
9. RESTORE DISTURBED AREAS OF LITTORAL ZONE TO APPROXIMATE PRE-CONSTRUCTION PROFILE AND SUBSTRATE.
10. SEE FIGURE 6 FOR PLAN VIEW ADDITIONAL DETAILS.

PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE: ROAD TYPICAL SECTION INTERTIDAL CULVERT	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. TX-005
WATERWAY: COOK INLET	FILE NO. POA-2017-271		



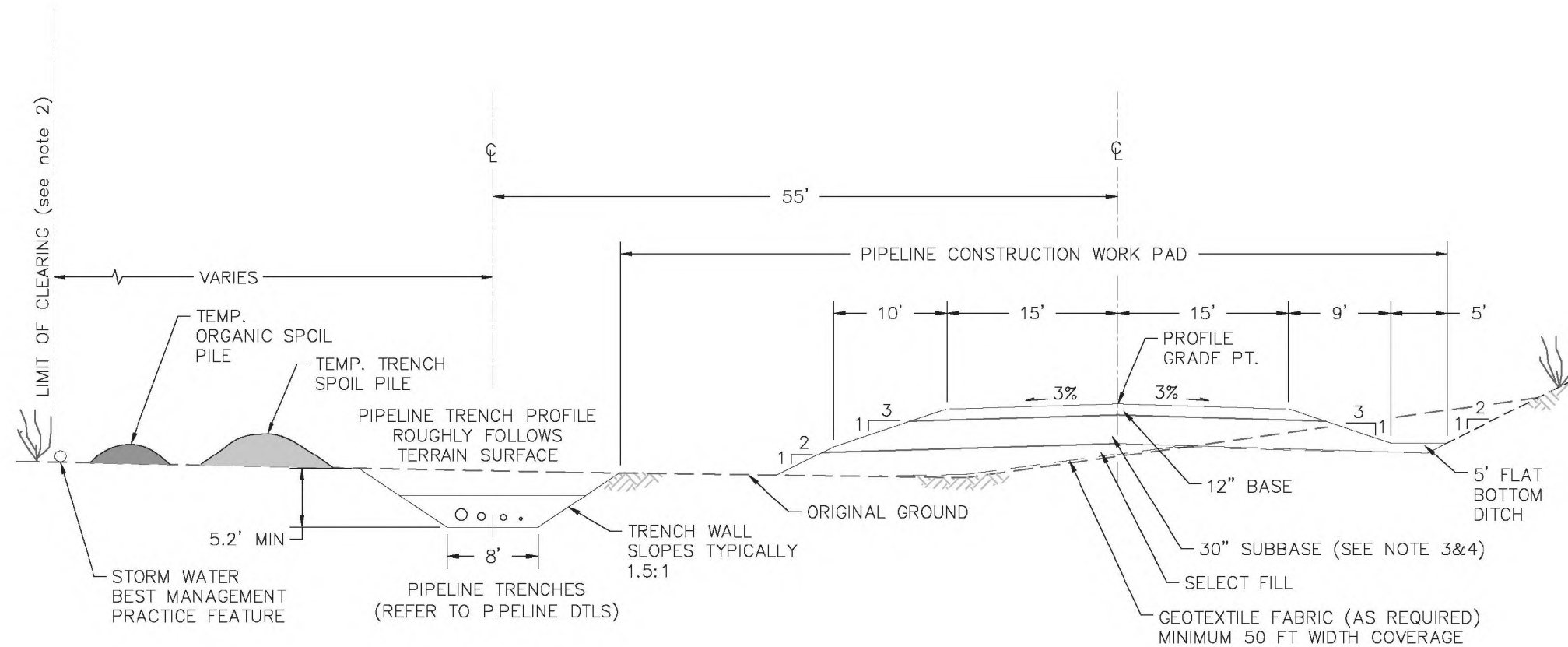
PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE:	
		PLAN VIEW INTERTIDAL CULVERT	
		LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W WATERWAY: COOK INLET	PROPOSED ACTIVITY: MINERAL DEVELOPMENT FILE NO. POA-2017-271
		DATE: JUNE 2020	FIGURE NO. TX-006



NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVALS:
STA. 123+43 TO 133+90 (MP 2.34 TO 2.54)
STA. 140+90 TO 2102+60 (MP 2.67 TO 39.82)
2. CLEARING LIMITS MAXIMUM OF 10 FT BEYOND TOE OF FILL OR TOP OF CUT.
3. BASE TO CONSIST OF 2 in MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. MATERIAL TO BE DURABLE. 12" MIN DEPTH.
4. SUBBASE TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 30" MIN DEPTH
5. SELECT FILL MATERIAL: TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
6. DEPTH OF FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION. 3.5 ft TOTAL EMBANKMENT DEPTH WILL TYPICALLY BE THE MINIMUM.
7. BACKSLOPES WILL VARY DEPENDENT UPON SOIL OR ROCK TYPE AND CHARACTER
TYPICAL: 2:1 FOR GLACIAL MORaine SOILS
1.5:1 FOR COARSE ROCK SIDE SLOPES
0.25:1 TO 1:1 FOR ROCK
8. FORESLOPE TO EXTEND AT 3:1 FOR MIN. 10 FT BEYOND SHOULDER, THEN BREAK TO SLOPE THAT WILL VARY. DEPENDING ON SOIL TYPE AND EXTENT OF FILL
9. ACCOMMODATE EXCESS EXCAVATION AND WASTE DISPOSAL BY FLATTENING AND/OR EXTENDING INSLOPE WITHIN THE R.O.W.
10. INSTALL GUARDRAIL WHERE WARRANTED. EXTEND ROAD SURFACE WIDTH 3 FT & INCREASE FORESLOPE TO 1.5:1 WHERE GUARDRAIL UTILIZED.
11. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

<div>PEBBLE PROJECT</div> <div>APPLICANT: PEBBLE LIMITED PARTNERSHIP</div>		DRAWING TITLE:	
		<div>LAT., LONG. OF MINE</div> <div>59°53'51.29"N 155°18'2.83"W</div>	<div>PROPOSED ACTIVITY:</div> <div>MINERAL DEVELOPMENT</div>
		<div>WATERWAY:</div> <div>COOK INLET</div>	<div>FILE NO.</div> <div>POA-2017-271</div>
		DATE:	FIGURE NO.
		JUNE 2020	TX-007

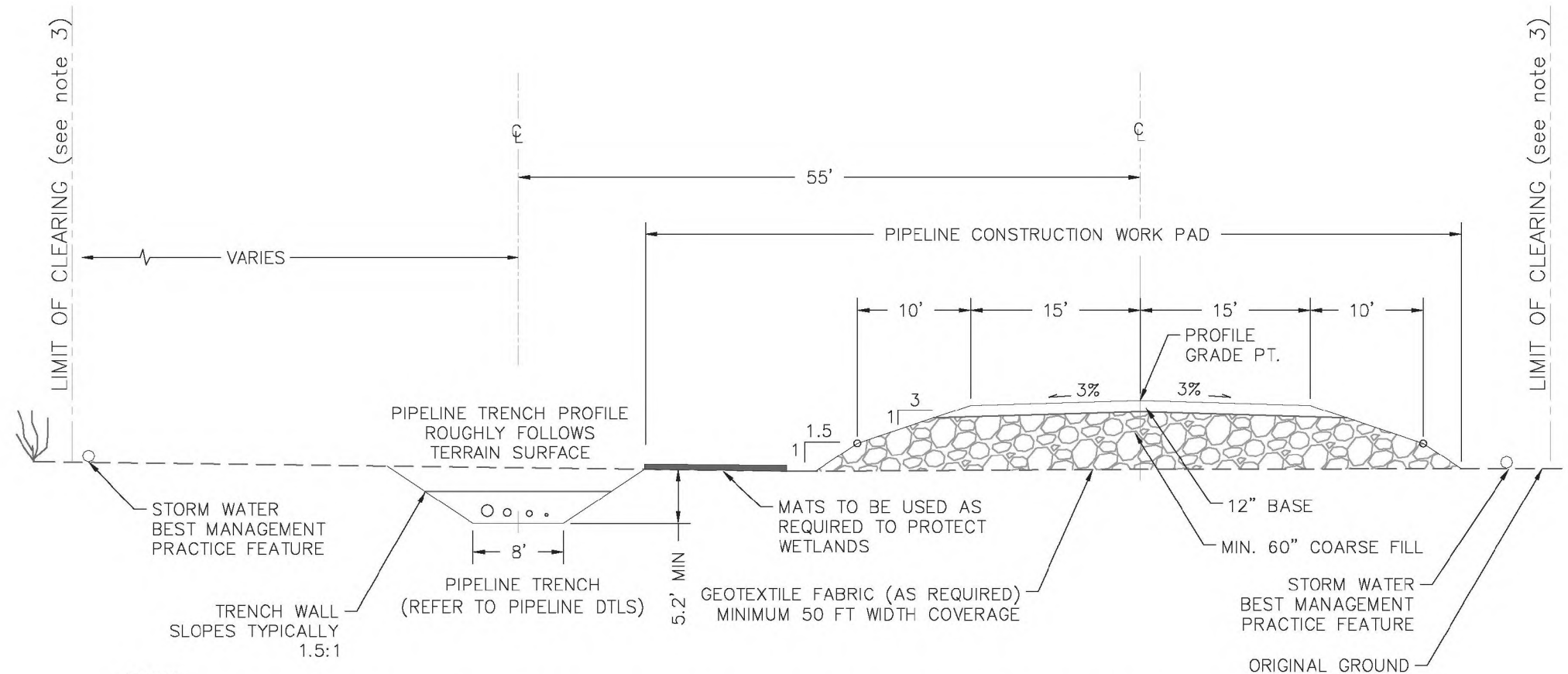


NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVAL(S):
STA. 2102+60 TO 4180+00 (MP 39.82 TO 79.16)
2. CLEARING LIMITS MAXIMUM OF 10 FT BEYOND TOE OF FILL OR TOP OF CUT.
3. BASE TO CONSIST OF 2" MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. MATERIAL TO BE DURABLE. 12" MIN. DEPTH
4. SUBBASE TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 30" MIN. DEPTH
5. SELECT FILL; TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
6. DEPTH OF FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION.
7. SURFACE ORGANICS AND UNSUITABLE SOILS TYPICALLY REMOVED UNLESS SPECIFIED OTHERWISE BY ENGINEER.
8. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

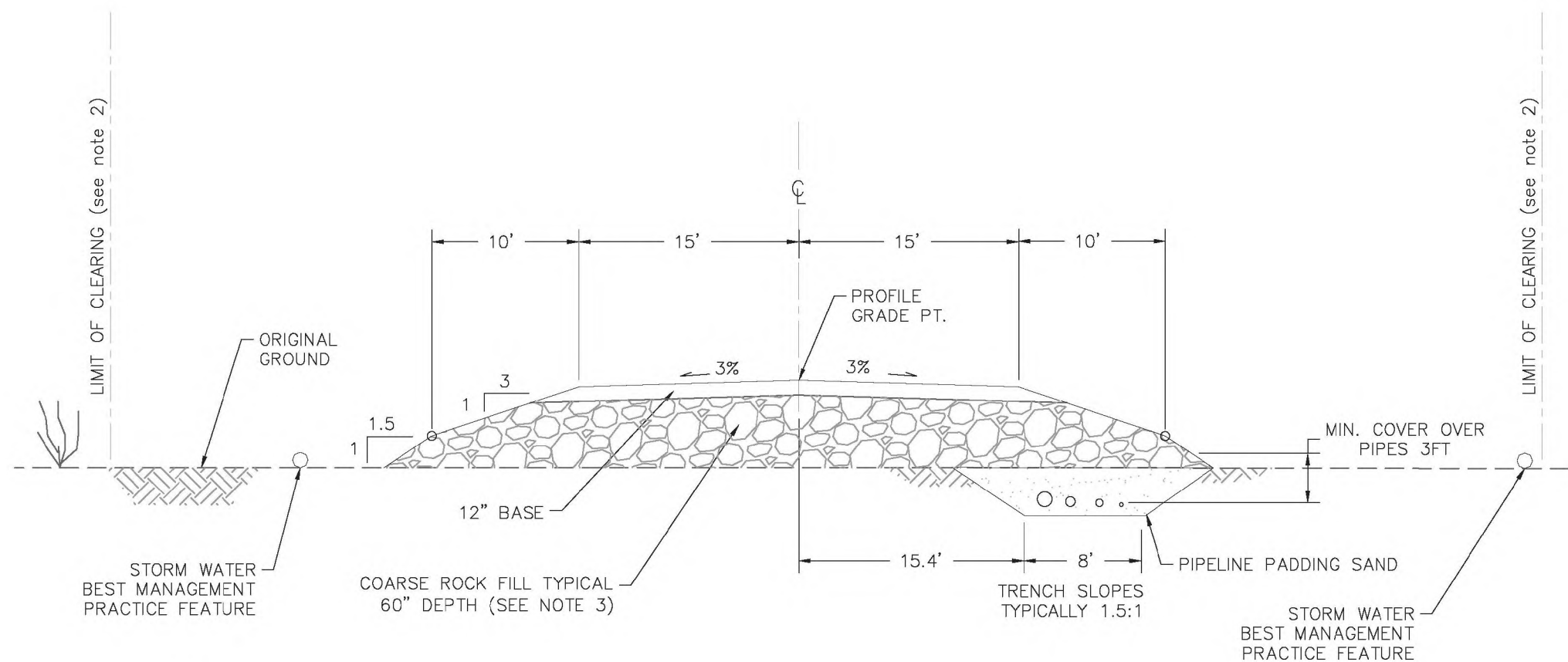
DRAWING TITLE: ROAD TYPICAL SECTION WITH PIPELINE OFFSET FROM ROAD EMBANKMENT IN MODERATE TERRAIN	
DATE: JUNE 2020	FIGURE NO. TX-008



NOTES:

1. TYPICAL SECTION LOCATIONS TO BE IDENTIFIED IN FINAL DESIGN.
2. 55 FT FROM CENTERLINE OF ROAD TO LIMITS OF PIPE TRENCH EXCAVATION.
3. CLEARING LIMITS A MAX. OF 10 FT BEYOND TOE OF FILL OR TOP OF CUT.
4. NO REFUELING OF MOBILE EQUIPMENT IN WETLAND SECTIONS.
5. BASE TO CONSIST OF 2" MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. MATERIAL TO BE DURABLE. 12" MIN. DEPTH
6. FORESLOPE TO EXTEND AT 3:1 FOR MIN 10 FT BEYOND SHOULDER, THEN BREAK TO SLOPE THAT WILL VARY DEPENDING ON SOIL TYPE AND EXTENT OF FILL.
7. INSTALL GUARDRAIL WHERE WARRANTED. WIDEN SHOULDER 3 FT & INCREASE FORESLOPE TO 1.5:1 FOR GUARDRAIL INSTALLATION.
8. ROAD EMBANKMENT COARSE ROCK FILL TO BE DESIGNED AND PLACED AS A PERMEABLE EMBANKMENT TO ASSIST IN MAINTAINING WETLAND FLOW CONTINUITY.
9. COARSE ROCK FILL TO CONSIST OF MAX. STONE SIZE OF 30" AND NOT MORE THAN 20% TO BE SMALLER THAN 6". MATERIAL PASSING NO. 200 SIEVE SHALL NOT EXCEED 2% BY WEIGHT. ROCK TO BE COMPETENT & RESISTANT TO DEGRADATION DURING PLACEMENT AND COMPACTION.
10. TYPICAL MINIMUM 6 FT EMBANKMENT DEPTH IN WETLANDS.
11. TRENCH SIDECAST MATERIAL (SPOILS) TO BE STORED IN UPLANDS OR WITHIN THE PERMANENT FILL FOOTPRINT.
12. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

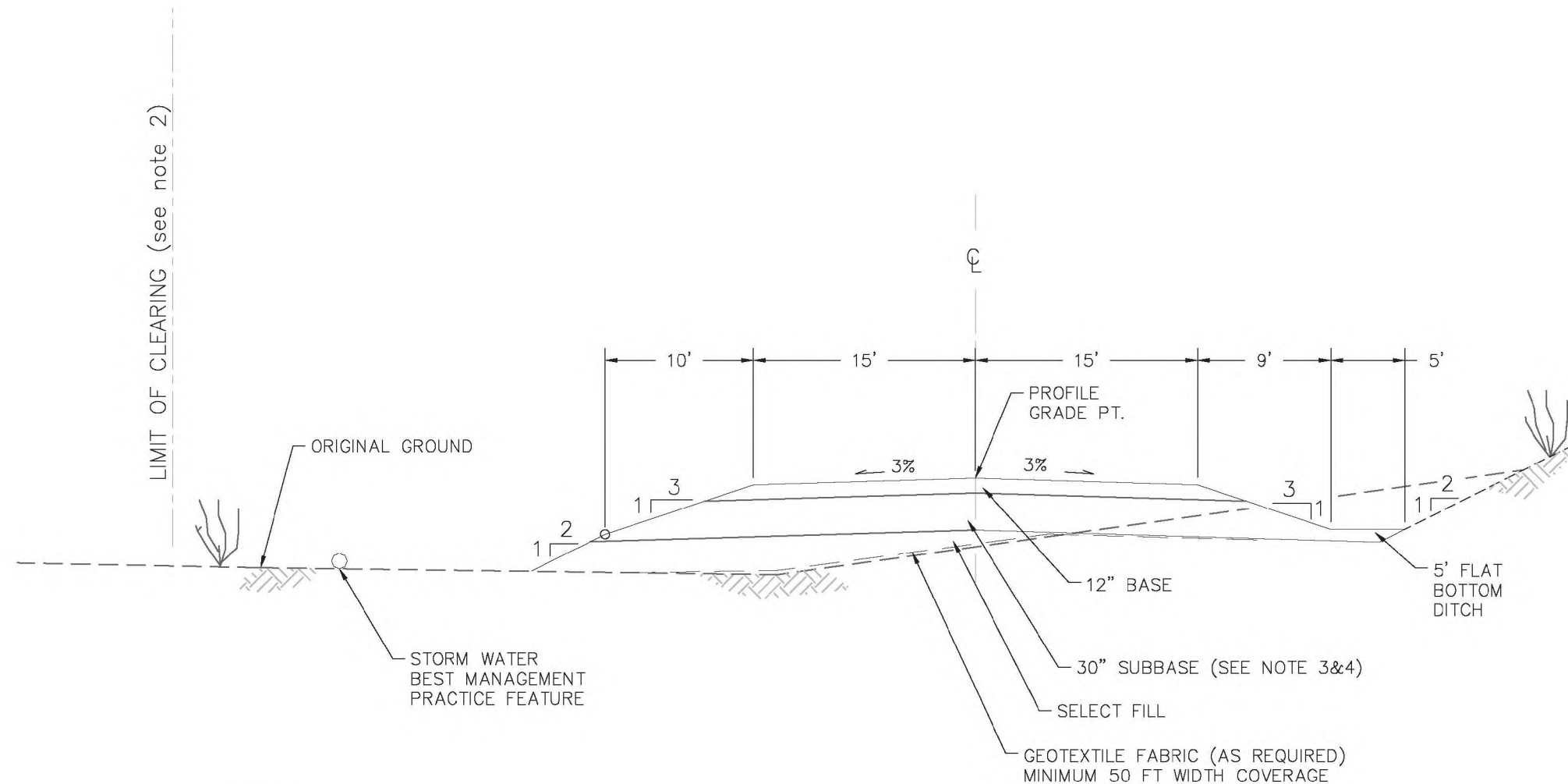
<div> <div>PEBBLE PROJECT</div> <div>APPLICANT: PEBBLE LIMITED PARTNERSHIP</div> </div>		DRAWING TITLE:	
		<div> <div>LAT., LONG. OF MINE</div> <div>59°53'51.29"N 155°18'2.83"W</div> </div>	<div> <div>PROPOSED ACTIVITY:</div> <div>MINERAL DEVELOPMENT</div> </div>
		<div> <div>WATERWAY:</div> <div>COOK INLET</div> </div>	<div> <div>FILE NO.</div> <div>POA-2017-271</div> </div>
		DATE:	FIGURE NO.
		JUNE 2020	TX-009



NOTES:

1. TYPICAL SECTION LOCATIONS TO BE IDENTIFIED IN FINAL DESIGN.
2. CLEARING LIMITS A MAX. OF 10 FT BEYOND TOE OF FILL.
4. NO REFUELING OF MOBILE EQUIPMENT IN WETLAND SECTIONS.
5. BASE TO CONSIST OF 2 in MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. MATERIAL TO BE DURABLE. 12" MIN DEPTH.
6. COARSE ROCK FILL TO CONSIST OF MAX. STONE SIZE OF 30" AND NOT MORE THAN 20% TO BE SMALLER THAN 6". MATERIAL PASSING NO. 200 SIEVE SHALL NOT EXCEED 2% BY WEIGHT. ROCK TO BE COMPETENT & RESISTANT TO DEGRADATION DURING PLACEMENT AND COMPACTION.
7. TYPICAL MINIMUM 6 FT EMBANKMENT DEPTH IN WETLANDS.
8. ROAD EMBANKMENT FOOTPRINT AREA TO BE UTILIZED AS PIPELINE CONSTRUCTION WORK PAD.
9. ROAD EMBANKMENT COARSE ROCK FILL TO BE DESIGNED AND PLACED AS A PERMEABLE EMBANKMENT TO ASSIST IN MAINTAINING WETLAND FLOW CONTINUITY.
10. UNUSABLE MATERIAL (SPOILS) EXCAVATED FROM PIPELINE TRENCH TO BE PLACED AT APPROVED UPLAND LOCATIONS OR WITHIN THE PERMANENT FILL FOOTPRINT.
11. FORESLOPE TO EXTEND AT 3:1 FOR MIN 10 FT BEYOND SHOULDER, THEN BREAK TO SLOPE THAT WILL VARY DEPENDING ON SOIL TYPE AND EXTENT OF FILL.
12. INSTALL GUARDRAIL WHERE WARRANTED. WIDEN SHOULDER 3 FT & INCREASE FORESLOPE TO 1.5:1 FOR GUARDRAIL INSTALLATION.
13. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

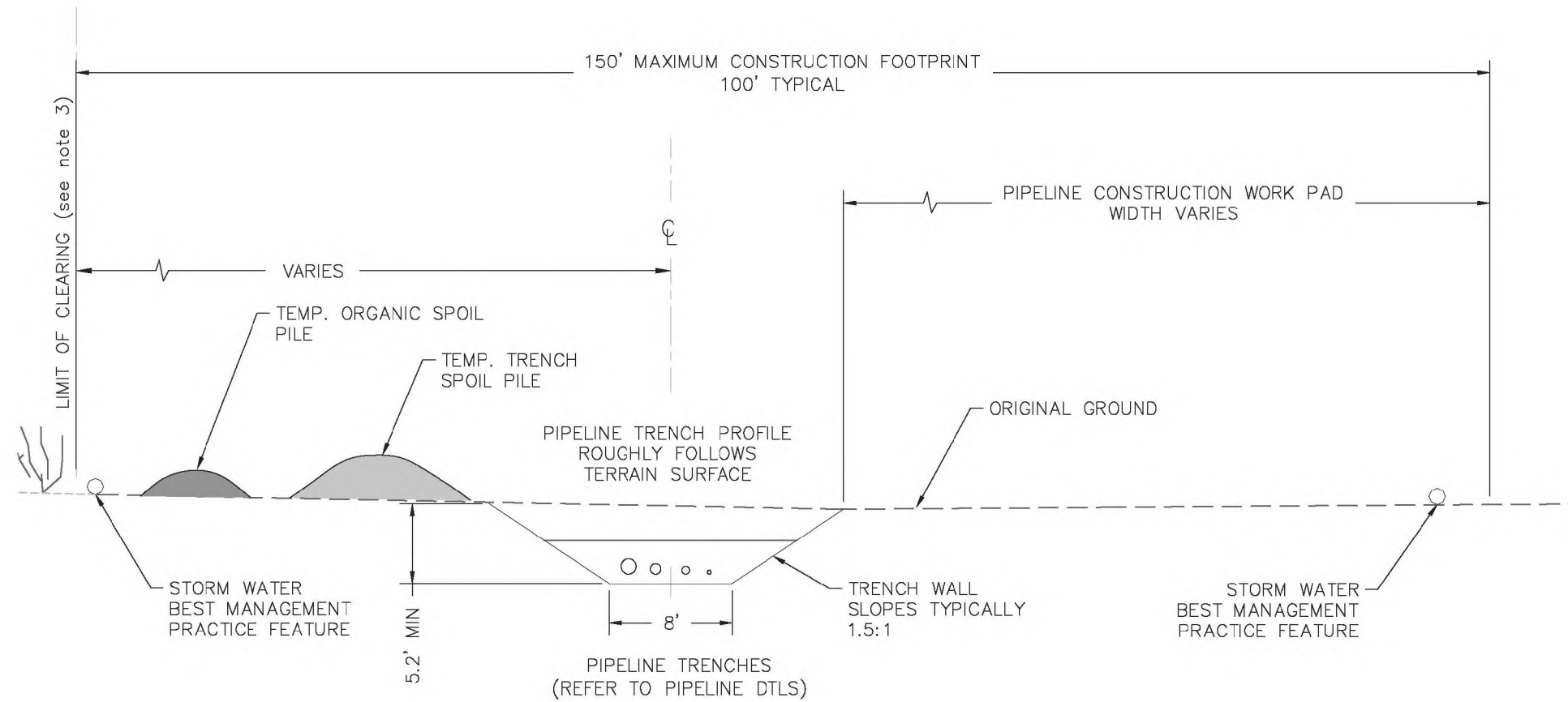
PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE:	
		ROAD TYPICAL SECTION FOR WETLANDS WITH PIPELINES IN ROAD EMBANKMENT	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. TX-010
WATERWAY: COOK INLET	FILE NO. POA-2017-271		



NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVAL:
STA. 4180+00 TO 4335+39 EOP (MP 79.16 TO 82.11)
2. CLEARING LIMITS A MAX. OF 10 FT BEYOND TOE OF FILL.
3. BASE TO CONSIST OF 2" MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. MATERIAL TO BE DURABLE. 12" MIN. DEPTH
4. SUBBASE TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 30" MIN. DEPTH
5. SELECT FILL; TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
6. DEPTH OF FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION.
7. SURFACE ORGANICS AND UNSUITABLE SOILS TYPICALLY REMOVED UNLESS SPECIFIED OTHERWISE BY ENGINEER.
8. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE: ROAD TYPICAL SECTION MODERATE TERRAIN WITH NO ROCK CUTS	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. TX-011
WATERWAY: COOK INLET	FILE NO. POA-2017-271		

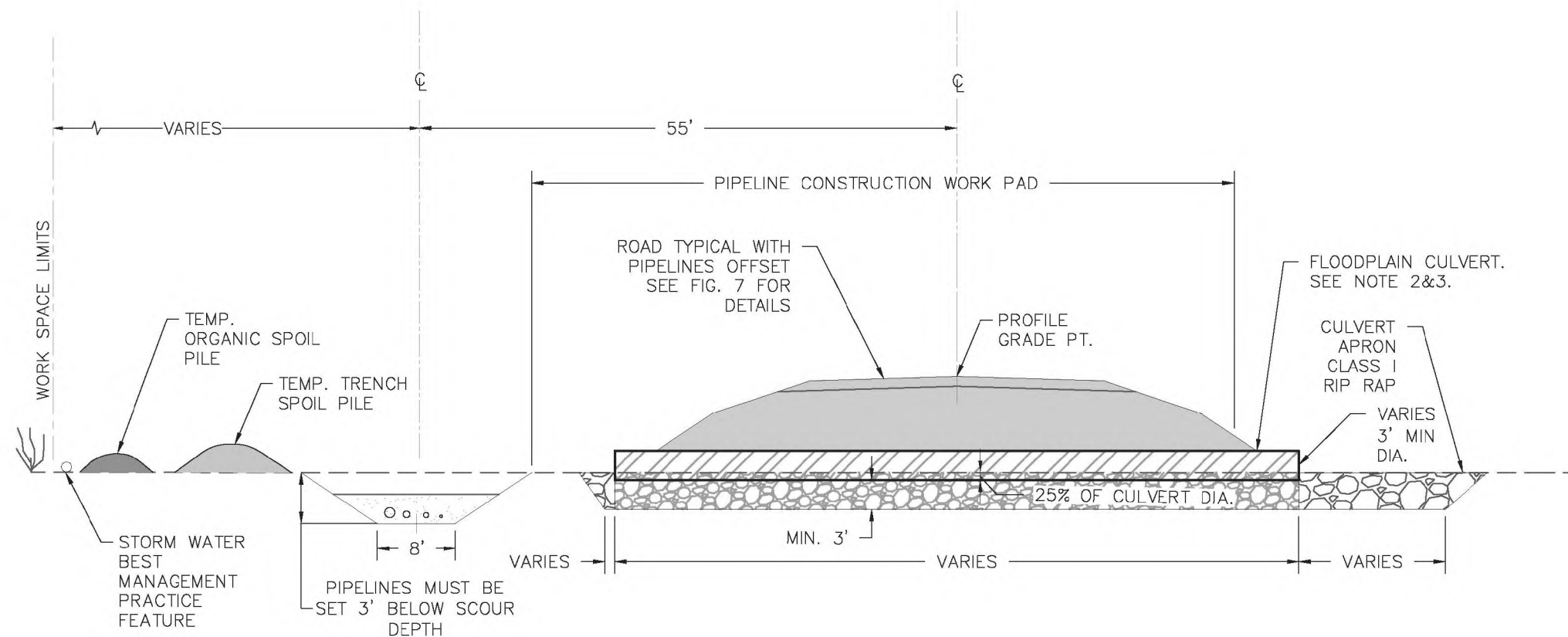


NOTES:

1. TYPICAL SECTION APPLIES TO THE FOLLOWING INTERVAL:
STA. 4180+00 TO MINE SITE (MP 79.16 TO MINE SITE)
2. TOTAL DISTANCE FROM WHERE PIPELINE DIVERGES FROM THE ACCESS ROAD TO THE MINE SITE IS 1.64 MILES.
3. CLEARING LIMITS TO BE EXTENT OF WORK PAD AND TRENCH MATERIAL STORAGE AREA.
4. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

DRAWING TITLE: NO ROAD PIPELINES TYPICAL SECTION	
DATE: JUNE 2020	FIGURE NO. TX-012

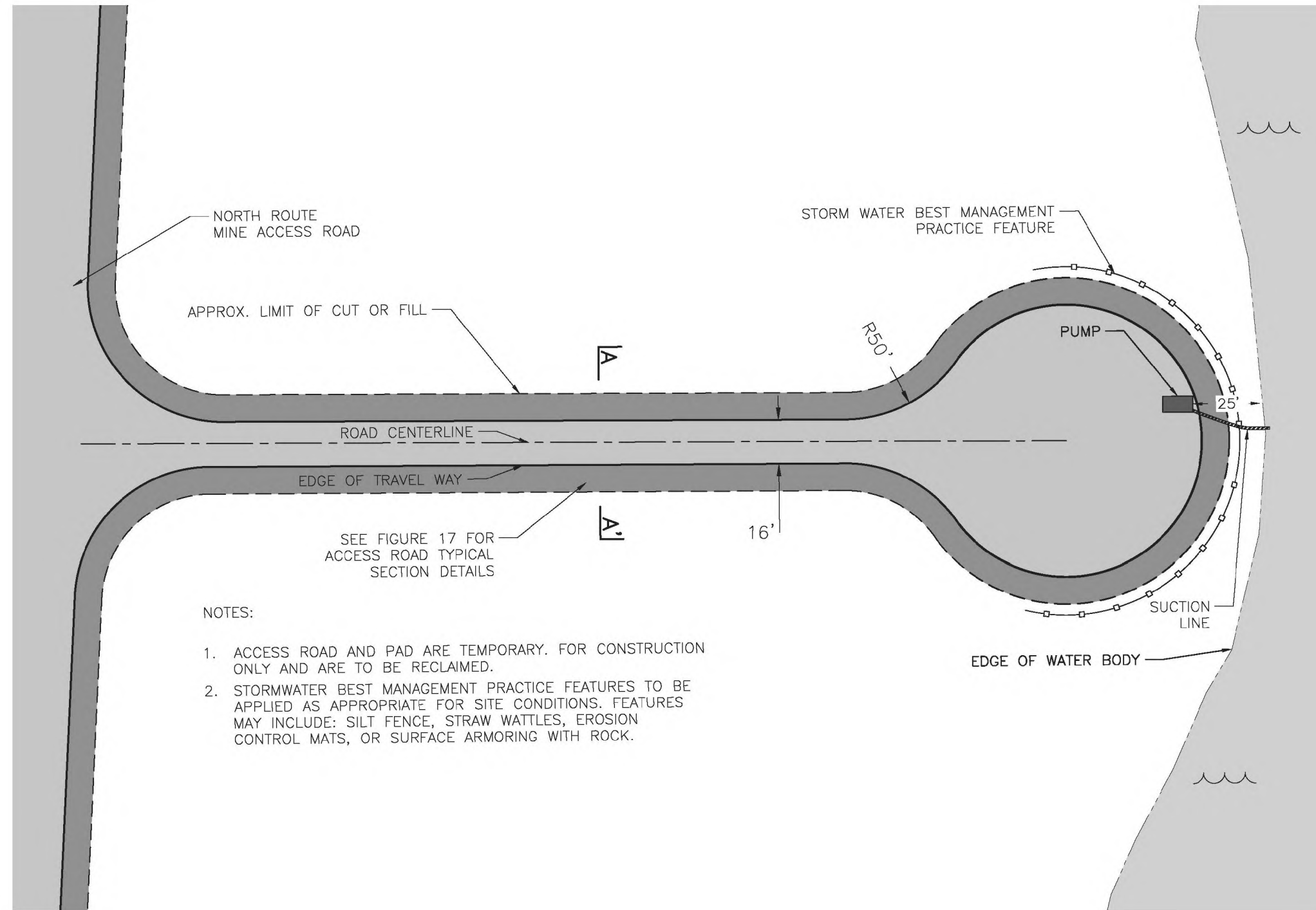


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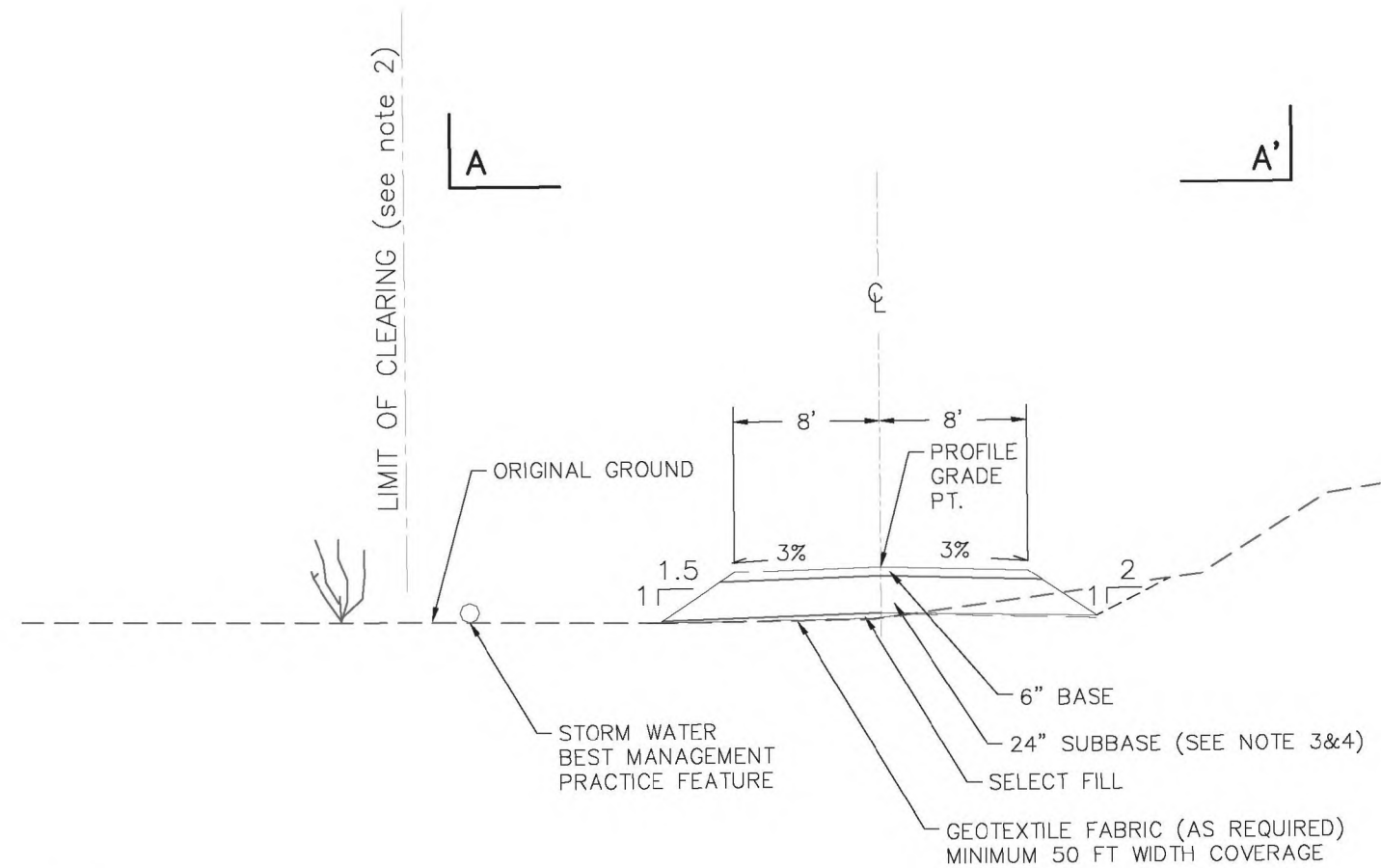
- FLOODPLAIN CULVERTS TO BE INSTALLED AT THE FOLLOWING LOCATIONS:
STA. 760+10 (MP 14.40)
STA. 2161+42 (MP 40.94)
STA. 3921+74 (MP 74.28)
- BEDDING MATERIAL TO BE A MINIMUM DEPTH OF 3FT. FINAL DEPTH MAY VARY, DEPENDING ON GEOTECHNICAL INVESTIGATION.
- CULVERT TO BE CORRUGATED METAL PIPE.
- SCHEDULE CROSSING DURING LOW OR NOT FLOW PERIOD IF POSSIBLE.
- COMPLETE ALL IN-STREAM CROSSING ACTIVITIES WITHIN 24 HOURS IF FEASIBLE.
- NO REFUELING OF MOBILE EQUIPMENT WITHIN 200 FT OF WATERBODY.
- CONSTRUCT SEDIMENT BARRIERS ALONG THE SIDES OF STOCKPILES AND ACROSS THE ENTIRE CONSTRUCTION R.O.W.
- SPOILS TO BE STORED OUT OF THE STREAM CHANNEL AND ADJACENT WETLANDS AND WITHIN THE CONSTRUCTION R.O.W.
- INSTALL SOFT PLUGS AT THE EDGE OF STREAM BANKS UNTIL JUST PRIOR TO PIPELINE INSTALLATION IF NEEDED.
- MAINTAIN STREAM FLOW THROUGHOUT CROSSING CONSTRUCTION.
- BACKFILL PIPE TRENCH WITH NATIVE MATERIAL.
- RESTORE WATER BODY CHANNEL OVER PIPELINE TRENCH TO APPROXIMATE PRE-CONSTRUCTION PROFILE AND SUBSTRATE.
- STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

DRAWING TITLE:	
FLOODPLAIN CULVERT	
DATE: JUNE 2020	FIGURE NO. TX-013



				DRAWING TITLE:	
				WATER EXTRACTION SITE PLAN VIEW	
PEBBLE PROJECT					
APPLICANT: PEBBLE LIMITED PARTNERSHIP					
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W		PROPOSED ACTIVITY: MINERAL DEVELOPMENT			
WATERWAY: COOK INLET		FILE NO. POA-2017-271		DATE: JUNE 2020	FIGURE NO. TX-014



NOTES:

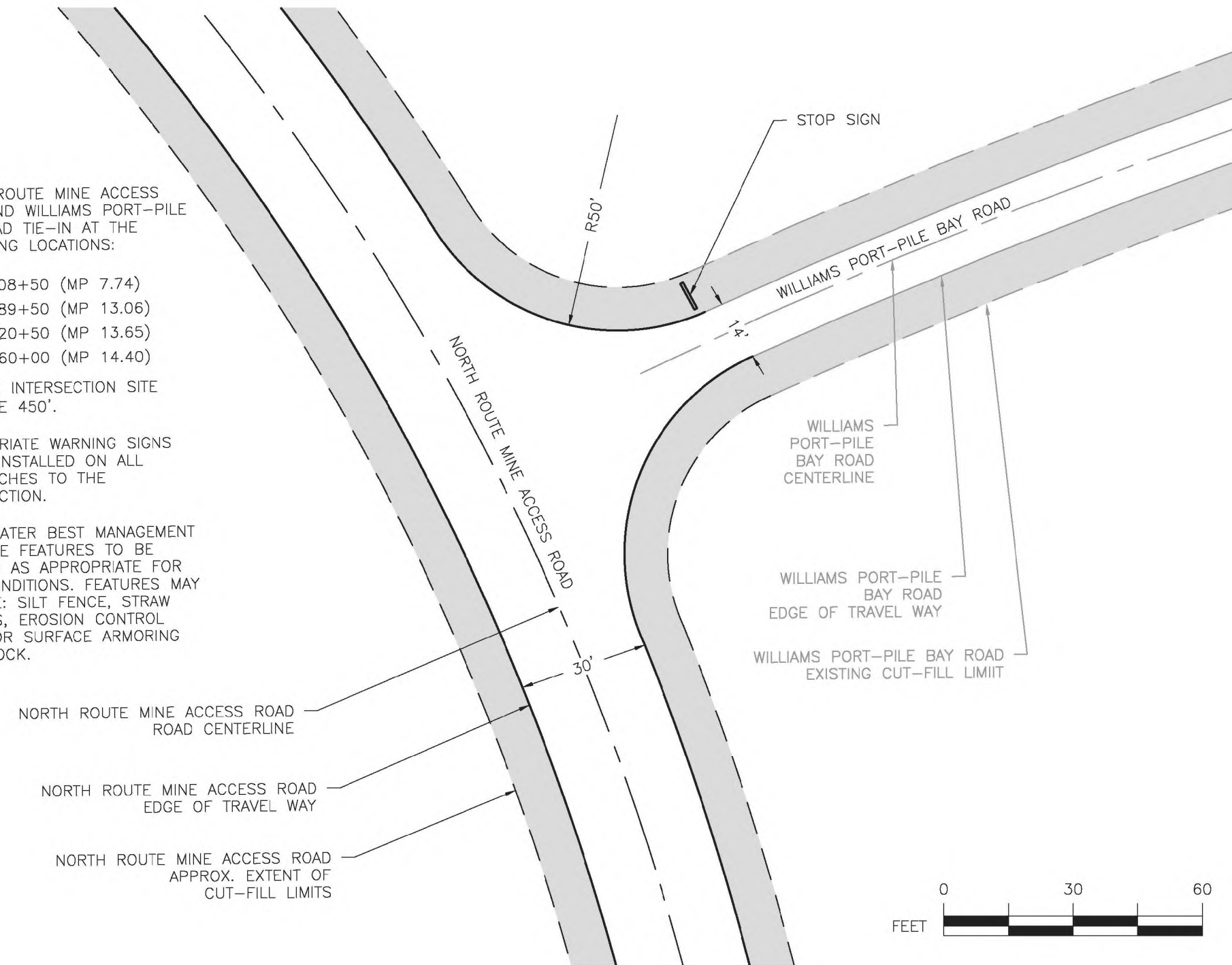
- ACCESS ROAD AND PAD ARE TEMPORARY. FOR CONSTRUCTION ONLY AND ARE TO BE RECLAIMED.
- CLEARING LIMITS A MAX. OF 10 FT BEYOND TOE OF FILL.
- BASE TO CONSIST OF 2" MINUS, DURABLE, WELL GRADED, CRUSHED ROCK WITH 6 TO 10% PASSING THE 200 SIEVE. MATERIAL TO BE DURABLE. 6" MIN. DEPTH
- SUBBASE TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL. NON-FROST-SUSCEPTIBLE. 24" MIN. DEPTH
- SEE FIGURE 16 FOR WATER EXTRACTION SITE DETAILS AND PLAN.
- SELECT FILL; TO CONSIST OF DURABLE COARSE ROCK OR GRAVEL, AS APPROVED BY ENGINEER.
- DEPTH OF FILL WILL VARY DEPENDING ON SOIL TYPE AND CONDITION.
- SURFACE ORGANICS AND UNSUITABLE SOILS TYPICALLY REMOVED UNLESS SPECIFIED OTHERWISE BY ENGINEER.
- STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE: WATER EXTRACTION SITE TEMPORARY ROAD ACCESS ROAD TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. TX-015
WATERWAY: COOK INLET	FILE NO. POA-2017-271		

NOTES:

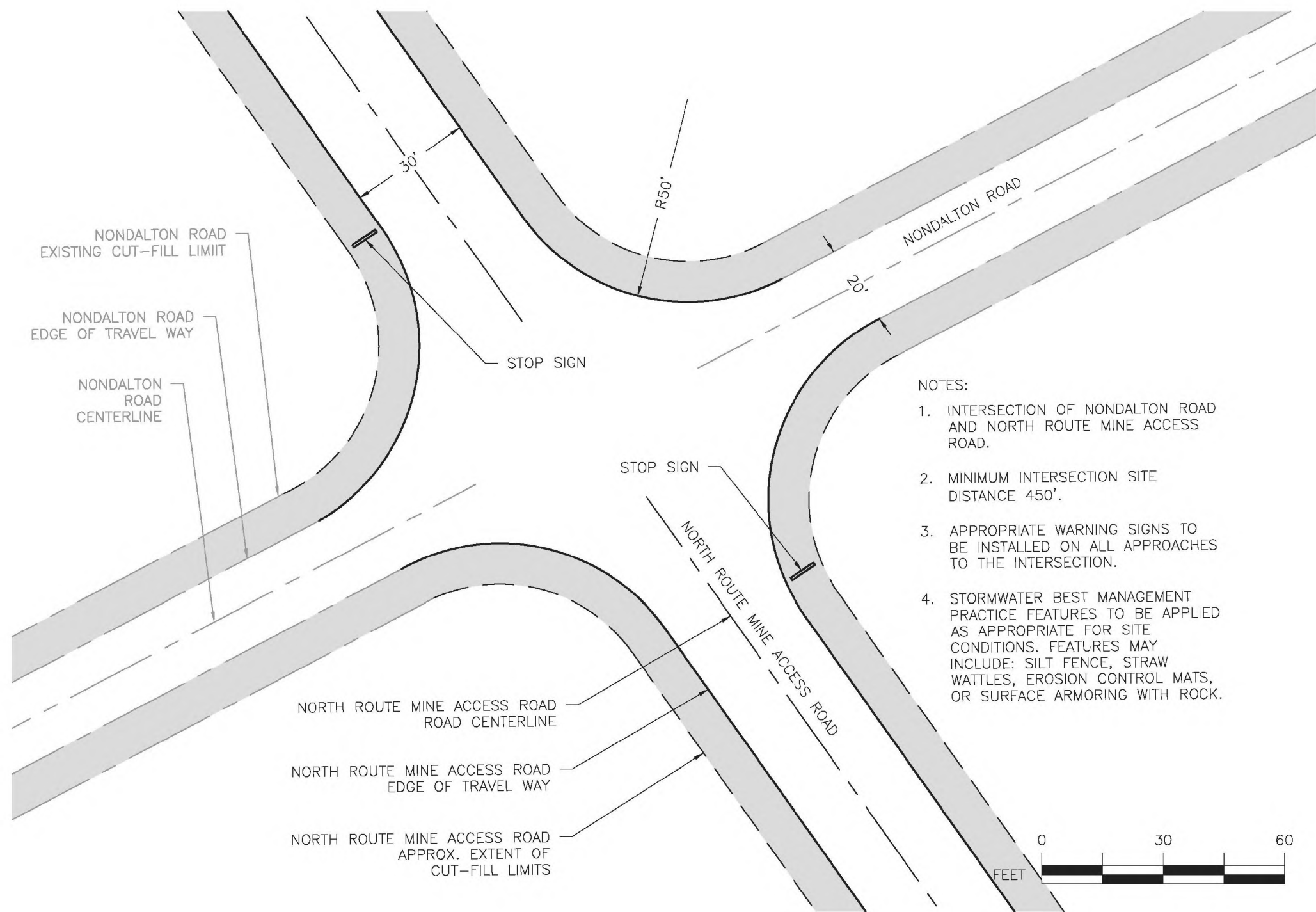
1. NORTH ROUTE MINE ACCESS ROAD AND WILLIAMS PORT-PILE BAY ROAD TIE-IN AT THE FOLLOWING LOCATIONS:

 STA. 408+50 (MP 7.74)
 STA. 689+50 (MP 13.06)
 STA. 720+50 (MP 13.65)
 STA. 760+00 (MP 14.40)
2. MINIMUM INTERSECTION SITE DISTANCE 450'.
3. APPROPRIATE WARNING SIGNS TO BE INSTALLED ON ALL APPROACHES TO THE INTERSECTION.
4. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

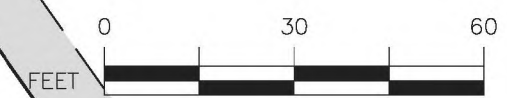


PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

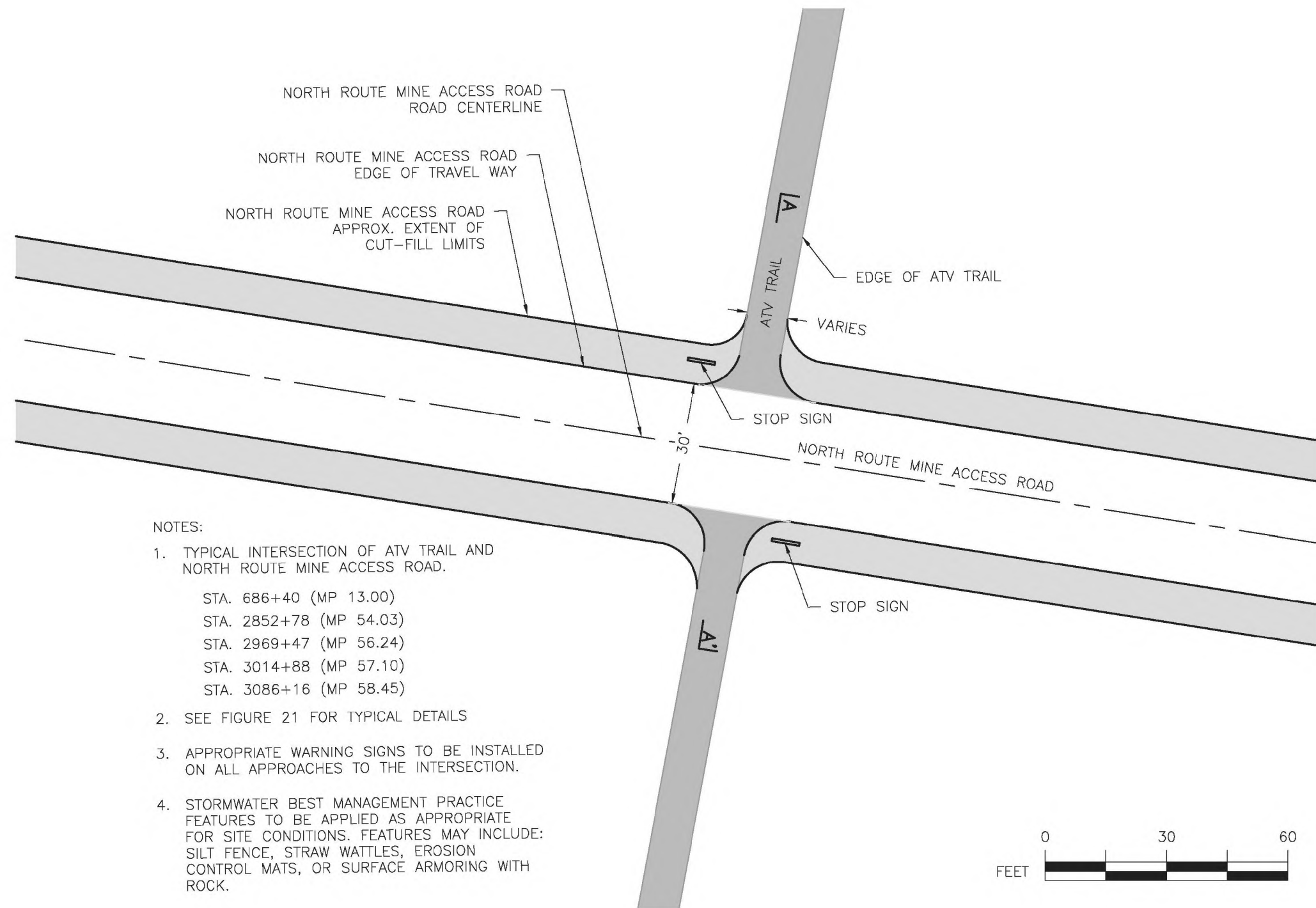
DRAWING TITLE: TYPICAL T-INTERSECTION OF MINE ACCESS ROAD & WILLIAMSPORT - PILE BAY ROAD	
DATE: JUNE 2020	FIGURE NO. TX-016



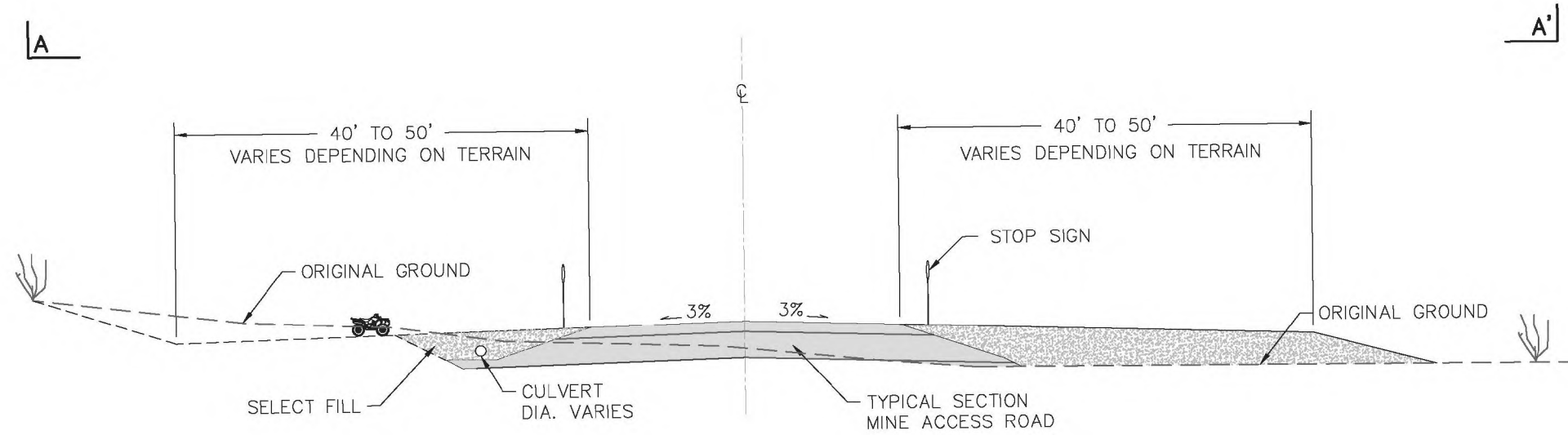
- NOTES:
1. INTERSECTION OF NONDALTON ROAD AND NORTH ROUTE MINE ACCESS ROAD.
 2. MINIMUM INTERSECTION SITE DISTANCE 450'.
 3. APPROPRIATE WARNING SIGNS TO BE INSTALLED ON ALL APPROACHES TO THE INTERSECTION.
 4. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.



PEBBLE PROJECT APPLICANT: PEBBLE LIMITED PARTNERSHIP		DRAWING TITLE:	
		TYPICAL T-INTERSECTION OF MINE ACCESS ROAD & NONDALTON ROAD	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. TX-017
WATERWAY: COOK INLET	FILE NO. POA-2017-271		



PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		TYPICAL INTERSECTION OF MINE ACCESS ROAD & ATV TRAIL PLAN VIEW	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: COOK INLET	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. TX-018



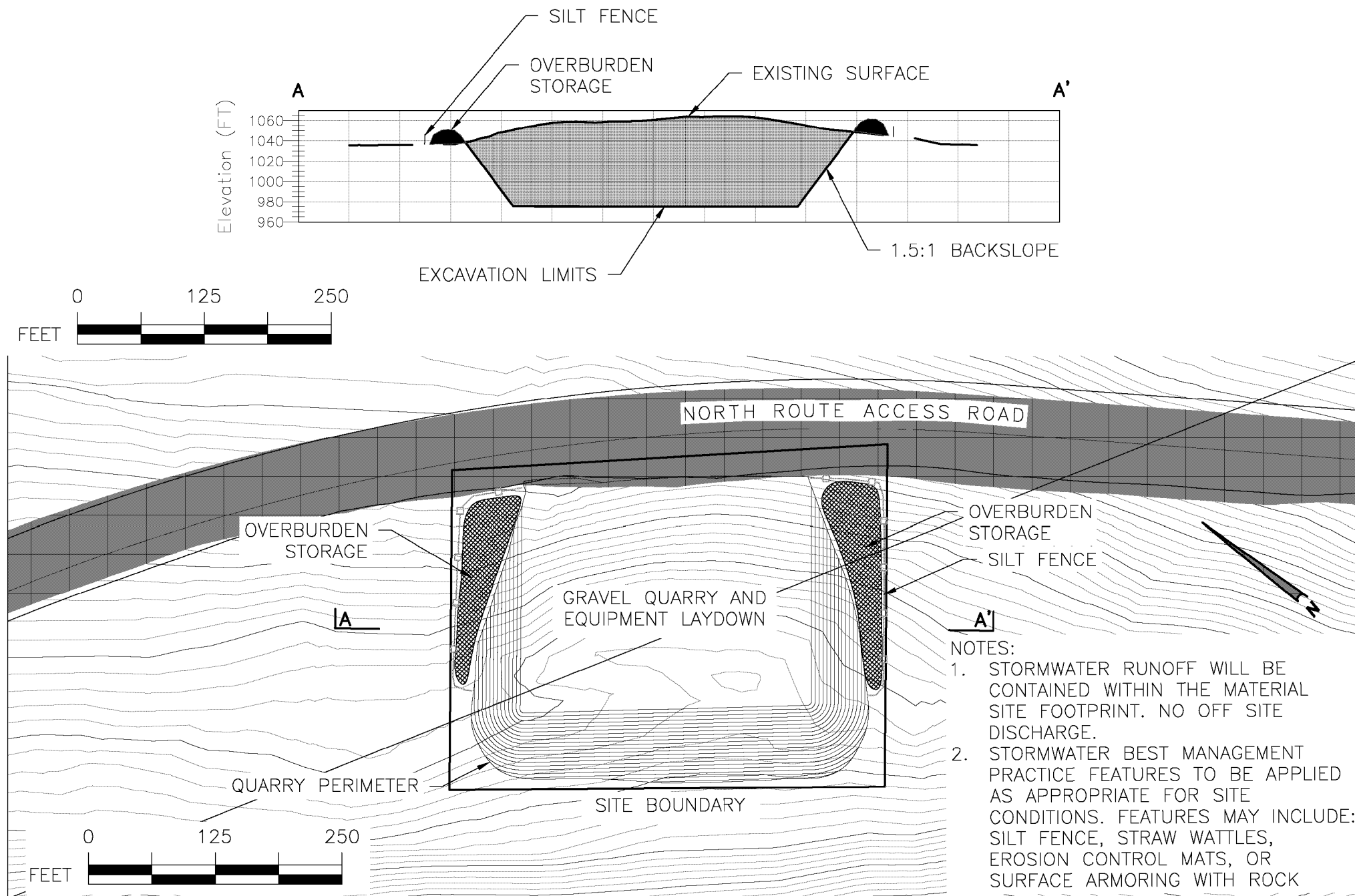
NOTES:

1. TYPICAL INTERSECTION OF ATV TRAIL AND NORTH ROUTE MINE ACCESS ROAD.

STA. 686+40 (MP 13.00)
 STA. 2852+78 (MP 54.03)
 STA. 2969+47 (MP 56.24)
 STA. 3014+88 (MP 57.10)
 STA. 3086+16 (MP 58.45)

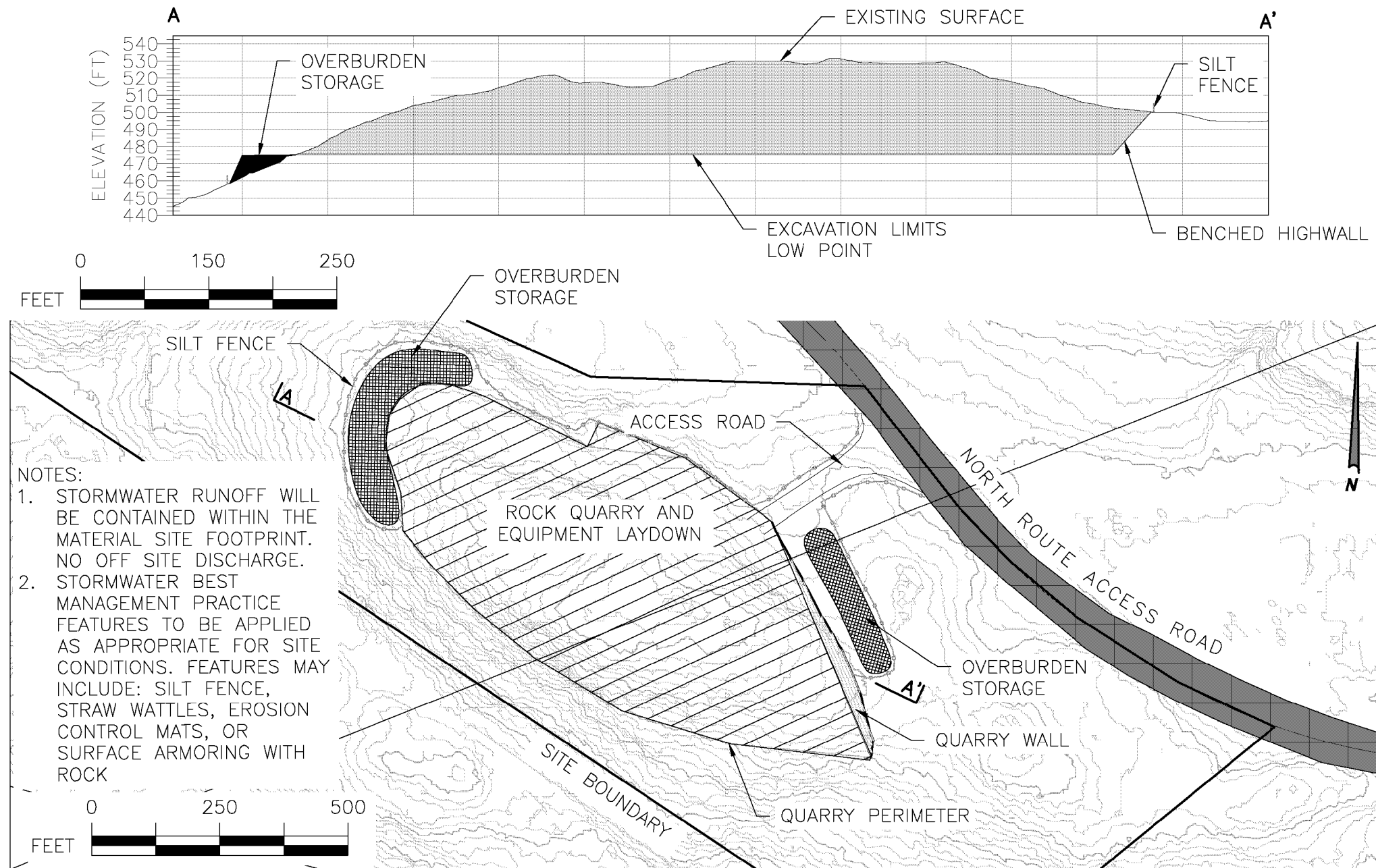
2. SEE FIGURE 20 FOR PLAN VIEW DETAILS
3. APPROPRIATE WARNING SIGNS TO BE INSTALLED ON ALL APPROACHES TO THE INTERSECTION.
4. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK.

PEBBLE PROJECT		DRAWING TITLE: TYPICAL INTERSECTION OF MINE ACCESS ROAD & ATV TRAIL	
APPLICANT: PEBBLE LIMITED PARTNERSHIP			
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	
WATERWAY: COOK INLET	FILE NO. POA-2017-271		
		FIGURE NO. TX-019	



PEBBLE PROJECT	
APPLICANT: PEBBLE LIMITED PARTNERSHIP	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT
WATERWAY: COOK INLET	FILE NO. POA-2017-271

DRAWING TITLE: GRAVEL QUARRY TYPICAL DESIGN	
DATE: JUNE 2020	FIGURE NO. TX-020



PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		ROCK QUARRY TYPICAL DESIGN	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: COOK INLET	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. TX-021